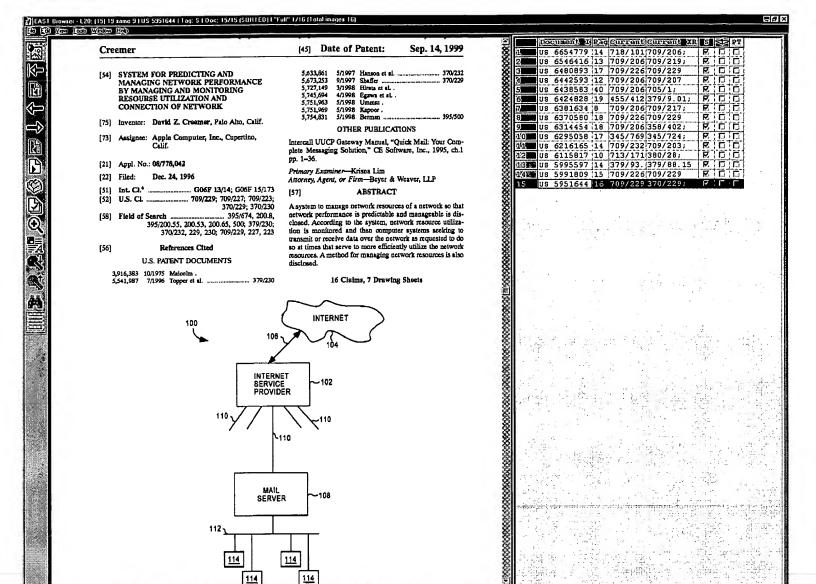


ACCEPT

ACCEPT!



200 E 100

```
Set
        Items
                Description
S1
                EMAIL OR (ELECTRONIC OR E OR ELECTRIC OR DIGITAL) () (MAIL? -
        83541
             OR MESSAG?) OR SMTP OR MIME OR POP
S2
                (MAX OR MAXIMUM OR THRESHOLD OR MOST) (2N) (NUMBER? OR AMOUN-
             T?) OR QUOTA OR LIMIT OR THRESHOLD OR MOST
S3
         2900
                SPAM OR ANTISPAM OR BULK(2N) (REMAIL? OR MAIL?)
S4
         6613
                S1 AND S2
S5
           88
                S4 AND S3
S6
          322
                S4 AND ((EMAIL OR MAIL)()SERVER? OR SENDER? OR ISP OR SERV-
             ICE() PROVIDER?)
S7
           25
                S5 AND S6
S8
           24
                RD (unique items)
                S8 NOT PY>2000
S9
           13
                UNSOLICIT? (N) (MAIL? OR EMAIL?) OR S3
         2923
S10
S11
          11
                S1(2N)S2 AND S10
           32
S12
                S1(2N)S2 AND S6
           40
                S11 OR S12
S13
S14
           40
                RD (unique items)
          594
S15
                S3 AND (FILTER? OR RULE?)
           48
                S15 AND S2
S16
           28
                S16 AND (ADDRESS? OR INDIVIDUAL? OR SENDER? OR PERSON? OR -
S17
             USER? OR SUBSCRIBER? OR CLIENT?)
S18
           65
                S14 OR S17
                S18 NOT S9
S19
           61
                RD (unique items)
S20
           61
                S20 NOT PY>2000
S21
           35
S22
        24766
                (LEVEL? OR QUANTIT? OR NUMBER? OR MAXIMUM? OR LIMIT? OR TH-
             RESHOLD?) (2N) (ADDRESS? OR FORWARD? OR RECIPIENT? OR RECEIVER?)
S23
                S1 AND S22
          312
S24
                S23 AND (BULK? OR SPAM? OR REMAIL?)
           6
S25
           18
                S23 AND (SERVER? OR GATEWAY? OR ISP? OR SERVICE()PROVIDER?)
S26
          24
                S24 OR S25
S27
          24
                RD (unique items)
          24
                S27 NOT (S20 OR S9)
S28
S29
           21
                S28 NOT PY>2000
S30
           77
                S3(2N)(PREVENT? OR STOP OR PROHIBIT? OR BLOCK?) AND (SERVE-
            R? OR GATEWAY? OR ISP OR SERVICE() PROVIDER?)
           76
S31
                RD (unique items)
S32
           27
                S31 NOT PY>2000
S33
           25
                S32 NOT (S29 OR S20 OR S9)
S34
                S33 AND (TRAFFIC? OR NUMBER? OR AMOUNT? OR QUANTIT? OR LIM-
             IT? OR THRESHOLD?)
File
       8:Ei Compendex(R) 1970-2004/Feb W5
         (c) 2004 Elsevier Eng. Info. Inc.
      35:Dissertation Abs Online 1861-2004/Feb
File
         (c) 2004 ProQuest Info&Learning
File 202: Info. Sci. & Tech. Abs. 1966-2004/Feb 27
         (c) 2004 EBSCO Publishing
      65:Inside Conferences 1993-2004/Mar W1
         (c) 2004 BLDSC all rts. reserv.
File
       2:INSPEC 1969-2004/Feb W5
         (c) 2004 Institution of Electrical Engineers
     94:JICST-EPlus 1985-2004/Feb W5
         (c) 2004 Japan Science and Tech Corp(JST)
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Mar 11
         (c) 2004 The Gale Group
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File
       6:NTIS 1964-2004/Mar W1
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File 144: Pascal 1973-2004/Feb W5
         (c) 2004 INIST/CNRS
File
      34:SciSearch(R) Cited Ref Sci 1990-2004/Mar W1
         (c) 2004 Inst for Sci Info
File
      99:Wilson Appl. Sci & Tech Abs 1983-2004/Feb
         (c) 2004 The HW Wilson Co.
File
      95:TEME-Technology & Management 1989-2004/Feb W4
         (c) 2004 FIZ TECHNIK
```

34/5/4 (Item 4 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2003 EBSCO Pub. All rts. reserv.

00498339 980V06-010

Online and Internet service providers -- Countering spam
Online & CD-ROM Review , June 1, 1998 , v22 n3 p230-231, 2 Page(s)

ISSN: 0309-314X Languages: English

Document Type: Articles, News & Columns

Geographic Location: Great Britain

Provides a profile on Internet Service Providers, and how they are moving decisively to combat spam on the Internet. Says in addition to imposing hefty fines to spammers, ISPs are now filtering junk mail from their customers accounts on their behalf. Says as a result of the outcome of recent high profile court hearings, Internet Providers have been empowered and are now using a number of criteria to impede spammers. Says by blocking spam before it reaches the customer's inbox is proving very successful, and is becoming the favored method of combating spam by a growing number of ISPs. Adds the mail is blocked at the individual discretion of the ISP, and the cost of filtering is not more than the cost of chasing spammers and getting them to refrain from spamming customers. (EB)

Descriptors: Spamming; Electronic Mail; Internet; Internet Service Providers

```
Set
        Items
                Description
S1
                EMAIL OR (ELECTRONIC OR E OR ELECTRIC OR DIGITAL) () (MAIL? -
             OR MESSAG?) OR SMTP OR MIME OR POP
S2
                (MAX OR MAXIMUM OR THRESHOLD OR MOST) (2N) (NUMBER? OR AMOUN-
     13483983
             T?) OR QUOTA OR LIMIT OR THRESHOLD OR MOST
S3
        59560
                SPAM OR ANTISPAM OR BULK(2N) (REMAIL? OR MAIL?)
S4
        76591
                S1 (8N) S2
S5
        1599
                S4 (8N) S3
S6
         1986
                S4 (10N) ((EMAIL OR MAIL)()SERVER? OR SENDER? OR ISP OR SE-
             RVICE()PROVIDER?)
S7
          120
                S4(S)S5(S)S6
S8
           62
                RD (unique items)
S9
           21
                S8 NOT PY>2000
S10
           19
                S9 NOT PD=20001117:20021117
S11
           19
                S10 NOT PD=20021117:20040401
File 275:Gale Group Computer DB(TM) 1983-2004/Mar 11
         (c) 2004 The Gale Group
File
      47:Gale Group Magazine DB(TM) 1959-2004/Mar 11
         (c) 2004 The Gale group
File
     75:TGG Management Contents(R) 86-2004/Feb W5
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Mar 11
         (c) 2004 The Gale Group
File 16:Gale Group PROMT(R) 1990-2004/Mar 11
         (c) 2004 The Gale Group
File 624:McGraw-Hill Publications 1985-2004/Mar 11
         (c) 2004 McGraw-Hill Co. Inc
File 484: Periodical Abs Plustext 1986-2004/Mar W1
         (c) 2004 ProQuest
File 613:PR Newswire 1999-2004/Mar 11
         (c) 2004 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 141:Readers Guide 1983-2004/Feb
         (c) 2004 The HW Wilson Co
File 696:DIALOG Telecom. Newsletters 1995-2004/Mar 10
         (c) 2004 The Dialog Corp.
File 553: Wilson Bus. Abs. FullText 1982-2004/Feb
         (c) 2004 The HW Wilson Co
File 621: Gale Group New Prod. Annou. (R) 1985-2004/Mar 11
         (c) 2004 The Gale Group
File 674:Computer News Fulltext 1989-2004/Feb W5
         (c) 2004 IDG Communications
     88:Gale Group Business A.R.T.S. 1976-2004/Mar 10
         (c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 635:Business Dateline(R) 1985-2004/Mar 11
         (c) 2004 ProQuest Info&Learning
      15:ABI/Inform(R) 1971-2004/Mar 11
         (c) 2004 ProQuest Info&Learning
File
       9:Business & Industry(R) Jul/1994-2004/Mar 10
         (c) 2004 Resp. DB Svcs.
File
      13:BAMP 2004/Feb W5
         (c) 2004 Resp. DB Svcs.
File 810: Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 610: Business Wire 1999-2004/Mar 10
         (c) 2004 Business Wire.
File 647:CMP Computer Fulltext 1988-2004/Feb W5
         (c) 2004 CMP Media, LLC
File
      98:General Sci Abs/Full-Text 1984-2004/Feb
         (c) 2004 The HW Wilson Co.
File 148:Gale Group Trade & Industry DB 1976-2004/Mar 05
         (c) 2004 The Gale Group
File 634:San Jose Mercury Jun 1985-2004/Mar 10
         (c) 2004 San Jose Mercury News
```

11/3,K/8 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

06202083 Supplier Number: 54142863 (USE FORMAT 7 FOR FULLTEXT)

Spam isn't going away, but simple actions can help stem the tide and support others' efforts. (Technology Information) (Column)

SYMOENS, JEFF

InfoWorld, v21, n11, p76(1)

March 15, 1999

Language: English Record Type: Fulltext

Article Type: Column

Document Type: Magazine/Journal; Trade

Word Count: 860

... enabled, the same spam messages can come to you from a dozen or so different **senders**, meaning users would have to constantly adjust their rules.

11/3,K/11 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2004 ProQuest. All rts. reserv.

04139362 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Consistent, yet anonymous, Web access with LPWA

Gabber, Eran; Gibbons, Phillip B; Kristol, David M; Matias, Yossi; Mayer,

Communications of the ACM (GACM), v42 n2, p42-47, p.6

Feb 1999

ISSN: 0001-0782 JOURNAL CODE: GACM

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3724

## TEXT:

... email caused by the selling of the database to spammers, while at the same time **email** from all other sites is unaffected. **Most** current anti- **spam** tools filter according to **sender** addresses or keywords, both of which are easily changed by spammers (such as address spoofing...

11/3,K/18 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c) 2004 The Gale Group. All rts. reserv.

11913460 SUPPLIER NUMBER: 61202550 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Scamming The Scammers. (Brief Article)

DORGAN, WILLIAM J.

Modern Machine Shop, 72, 10, 132

March, 2000

DOCUMENT TYPE: Brief Article ISSN: 0026-8003 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 512 LINE COUNT: 00041

The Federal Trade Commission warns that most Internet scams arrive by means of Bulk E - Mail . And the accent is on "bulk." There are scammers out there who are willing to...

...providers offer software that automates sending e-mail messages to recipients. Others will even send **bulk** e-mail solicitations for you.

Most bulk e-mail providers insinuate that you can make a huge amount of money using their marketing techniques and "tricks". They neglect to mention that sending bulk e-mail violates the "terms of service" (TOS) of most Internet service providers (ISPs). If you use automated ("robotic") bulk e-mail programs your ISP may terminate your...

```
Set
       Items
               Description
       29963 EMAIL OR (ELECTRONIC OR E OR ELECTRIC OR DIGITAL) () (MAIL? -
S1
            OR MESSAG?) OR SMTP OR MIME OR POP
S2
               (MAX OR MAXIMUM OR THRESHOLD OR MOST) (2N) (NUMBER? OR AMOUN-
      558805
            T?) OR QUOTA OR LIMIT OR THRESHOLD OR MOST
               SPAM OR ANTISPAM OR BULK(2N) (REMAIL? OR MAIL?)
S3
         214
S4
         795
               S1 AND S2
               S4 AND S3
S5
          9
               S4 AND ((EMAIL OR MAIL)()SERVER? OR SENDER? OR ISP OR SERV-
         125
S6
            ICE()PROVIDER?)
s7
               S6 AND IC=G06F?
         108
               S7 NOT AD>20001117
S8
          49
          49 S8 NOT S5
S9
          14 S9 AND (RECIPIENT? OR ADDRESS? OR MESSAGES)
S10
               S9 AND ADDRESSEE?
S11
          1
          14
               S10 OR S11
S12
       78
S13
               S7 AND (USER? OR SENDER? OR CLIENT? OR SUBSCRIBER? OR INDI-
           VIDUAL? OR PERSON?)
           0 S7 AND EMAILER
S14
S15
           6 E()MAILER?
         649 MAILER?
S16
S17
          0 (S15 OR S16) AND S7
          67 S13 NOT S12
S18
          63 S18 NOT CHARACTER?
S19
Š20
          56 S19 NOT SIZE?
S21
          51 S20 NOT CAPACIT?
S22
         17 S21 NOT AD>20001117
File 347: JAPIO Nov 1976-2003/Nov(Updated 040308)
        (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD, UM &UP=200416
        (c) 2004 THOMSON DERWENT
```

5/5/6 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 THOMSON DERWENT. All rts. reserv.

014823341 \*\*Image available\*\*
WPI Acc No: 2002-644047/200269

XRPX Acc No: N02-509120

Apparatus for detecting spam in real-time uses program identifying files, origin address or subject and applies frequency or quantity threshold

Patent Assignee: EARNEST J B (EARN-I); WELLS FARGO BANK NA (WELL-N)

Inventor: EARNEST J B

Number of Countries: 092 Number of Patents: 002

Patent Family:

Patent No Kind Date Applicat No Kind Date Week WO 200275570 A1 20020926 WO 2002US7048 A 20020307 200269 B US 20020184315 A1 20021205 US 2001810158 A 20010316 200301

Priority Applications (No Type Date): US 2001810158 A 20010316 Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes WO 200275570 Al E 45 G06F-015/16

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW US 20020184315 A1 G06F-015/16

Abstract (Basic): WO 200275570 A1

NOVELTY - System for automatically detecting unwanted messages in real time comprises a redundant **e** - **mail** address detection and capture system comprising a computer program which has a process for accessing the directory and identifying message files, a process for locating an address of origin, subject or other specified criteria within each message file, a process for identifying whether each message file should be considered **spam**, a process for separating the **spam** and non- **spam** message files logically and a process physically moving or renaming the message files in a predetermined fashion. A frequency or quantity **threshold** is applied to identify **spam**.

DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for:

(1) A method of automatically detecting unwanted messages in real time as applied to a message router

(2) An apparatus for redundant **e - mail** address detection and capture

USE - Apparatus concerns e - mail messaging and spam filtering.

ADVANTAGE - Apparatus detects unwanted messages in real time. DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram of a redundant  ${\bf e}$  -  ${\bf mail}$  address detection and capture system.

pp; 45 DwgNo 2/3

Title Terms: APPARATUS; DETECT; SPAM; REAL-TIME; PROGRAM; IDENTIFY; FILE; ORIGIN; ADDRESS; SUBJECT; APPLY; FREQUENCY; QUANTITY; THRESHOLD

Derwent Class: T01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-013/00; G06F-017/20

File Segment: EPI

5/5/7 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

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014518981

WPI Acc No: 2002-339684/200237

XRPX Acc No: N02-267111

Method for monitoring electronic mail message by generating from each message a number representing part of the message but not non-subject header information and comparing the numbers with previously stored numbers

Patent Assignee: CONTENT TECHNOLOGIES LTD (CONT-N); CLEARSWIFT LTD (CLEA-N)

Inventor: HOCKEY A

Number of Countries: 097 Number of Patents: 004

Patent Family:

Patent No Kind Date Applicat No Kind Date WO 200219069 A2 20020307 WO 2001GB3852 Α 20010829 200237 GB 2366706 Α 20020313 GB 200021444 Α 20000831 200237 AU 200182359 Α 20020313 AU 200182359 Α 20010829 200249 EP 1368719 A2 20031210 EP 2001960974 Α 20010829 200382 WO 2001GB3852 Α 20010829

Priority Applications (No Type Date): GB 200021444 A 20000831

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200219069 A2 E 42 G06F-001/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

GB 2366706 A G06F-017/60

AU 200182359 A G06F-001/00 Based on patent WO 200219069

EP 1368719 A2 E G06F-001/00 Based on patent WO 200219069

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200219069 A2

NOVELTY - Each mail includes header information including subject and non-subject headers and a main body containing message content. A numerical summary is formed only of the subject line and message content, which may include text or attached files. The generated numerical summary is stored and compared with previously stored summaries.

DETAILED DESCRIPTION - If the number of matches exceeds a threshold an alert is generated, e.g. to indicate detection of a virus or Spam . Timestamp information may be stored with the summaries together with sender/recipient details and the Internet protocol address of origin to aid in detecting the originator.

INDEPENDENT CLAIMS are included for

- (a) a software product for monitoring electronic mail
- (b) and a computer system for monitoring electronic mail

USE - Monitoring  $\mbox{electronic}$   $\mbox{mail}$  , e.g. to detect malicious content such as viruses or  $\mbox{Spam}$  .

ADVANTAGE - Efficiently monitors for unsolicited and malicious mail.

pp; 42 DwgNo 0/3

Title Terms: METHOD; MONITOR; ELECTRONIC; MAIL; MESSAGE; GENERATE; MESSAGE; NUMBER; REPRESENT; PART; MESSAGE; NON; SUBJECT; HEADER; INFORMATION; COMPARE; NUMBER; STORAGE; NUMBER

Derwent Class: T01

International Patent Class (Main): G06F-001/00; G06F-017/60

File Segment: EPI

```
Set
                Description
        Items
S1
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             OR MESSAG?) OR SMTP OR MIME OR POP
S2
                (MAX OR MAXIMUM OR THRESHOLD OR MOST) (2N) (NUMBER? OR AMOUN-
             T?) OR QUOTA OR LIMIT OR THRESHOLD OR MOST
S3
         2900
                SPAM OR ANTISPAM OR BULK(2N) (REMAIL? OR MAIL?)
S4
         6613
                S1 AND S2
S5
           88
                S4 AND S3
                S4 AND ((EMAIL OR MAIL)()SERVER? OR SENDER? OR ISP OR SERV-
S6
          322
             ICE()PROVIDER?)
                S5 AND S6
S7
           25
           24
S8
                RD (unique items)
                S8 NOT PY>2000
S9
          13
S10
         2923
               UNSOLICIT?(N) (MAIL? OR EMAIL?) OR S3
S11
          11
                S1(2N)S2 AND S10
           32
               S1(2N)S2 AND S6
S12
S13
          40
               S11 OR S12
S14
          40
                RD (unique items)
          594
                S3 AND (FILTER? OR RULE?)
S15
S16
          48
                S15 AND S2
S17
          28
                S16 AND (ADDRESS? OR INDIVIDUAL? OR SENDER? OR PERSON? OR -
            USER? OR SUBSCRIBER? OR CLIENT?)
S18
           65
                S14 OR S17
                S18 NOT S9
S19
           61
                RD (unique items)
S20
           61
S21
           35
                S20 NOT PY>2000
S22
        24766
                (LEVEL? OR QUANTIT? OR NUMBER? OR MAXIMUM? OR LIMIT? OR TH-
            RESHOLD?) (2N) (ADDRESS? OR FORWARD? OR RECIPIENT? OR RECEIVER?)
S23
               S1 AND S22
          312
S24
                S23 AND (BULK? OR SPAM? OR REMAIL?)
           6
S25
          18
                S23 AND (SERVER? OR GATEWAY? OR ISP? OR SERVICE()PROVIDER?)
S26
          24
                S24 OR S25
S27
           24
                RD (unique items)
S28
           24
                S27 NOT (S20 OR S9)
          21
S29
                S28 NOT PY>2000
File
      8:Ei Compendex(R) 1970-2004/Feb W5
         (c) 2004 Elsevier Eng. Info. Inc.
File
     35:Dissertation Abs Online 1861-2004/Feb
         (c) 2004 ProQuest Info&Learning
File 202:Info. Sci. & Tech. Abs. 1966-2004/Feb 27
         (c) 2004 EBSCO Publishing
     65:Inside Conferences 1993-2004/Mar W1
File
         (c) 2004 BLDSC all rts. reserv.
       2:INSPEC 1969-2004/Feb W5
File
         (c) 2004 Institution of Electrical Engineers
     94:JICST-EPlus 1985-2004/Feb W5
         (c) 2004 Japan Science and Tech Corp(JST)
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Mar 11
         (c) 2004 The Gale Group
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File
       6:NTIS 1964-2004/Mar W1
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File 144: Pascal 1973-2004/Feb W5
         (c) 2004 INIST/CNRS
     34:SciSearch(R) Cited Ref Sci 1990-2004/Mar W1
File
         (c) 2004 Inst for Sci Info
File 99: Wilson Appl. Sci & Tech Abs 1983-2004/Feb
         (c) 2004 The HW Wilson Co.
File 95:TEME-Technology & Management 1989-2004/Feb W4
```

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23

9/5/3 (Item 3 from file: 2) DIALOG(R) File 2:INSPEC (c) 2004 Institution of Electrical Engineers. All rts. reserv. INSPEC Abstract Number: B9803-6210G-006, C9803-6155-003 Title: Selectively rejecting spam using Sendmail Author(s): Harker, R. Conference Title: Proceedings of the Eleventh Systems Administration p.205-20 Conference (LISA XI) Publisher: USENIX Assoc, Berkeley, CA, USA Publication Date: 1997 Country of Publication: USA Material Identity Number: XX98-00067 ISBN: 1 880446 90 1 Conference Title: Proceedings of the Eleventh Systems Administration Conference (LISA XI) Conference Sponsor: USENIX Assoc Conference Date: 26-31 Oct. 1997 Conference Location: San Diego, CA, USA Document Type: Conference Paper (PA) Language: English Treatment: Practical (P) Abstract: With the growing popularity of the Internet, unsolicited electronic mail ( spam ) has become a major concern. It fills up user's mailboxes, cloqs mail relays, wastes the postmaster's time and creates ill will for sites that have been used as a relay. Most sites want to filter before they receive it, but filtering spam is hard to do without filtering legitimate mail messages. This paper discusses what characterizes and describes rulesets that can be added to a Sendmail version 8.8 sendmail.cf file to selectively reject mail from specific addresses, domains or IP addresses and to prevent spammers from relaying mail through a site. It discusses the different issues facing corporate sites and the special issues facing Internet service providers (ISPs). The rulesets presented have been implemented as M4 template files so they can be easily integrated into a sendmail.cf file as a feature using M4. These rulesets are currently in use at Harker Systems and other sites, and are available via anonymous ftp. (4 Refs) Subfile: B C Descriptors: electronic mail; Internet Identifiers: selective spam rejection; Sendmail v. 8.8; M4 template files; unsolicited electronic mail; spamming; mail relays; message filtering; IP addresses; corporate sites; Internet service rulesets Class Codes: B6210G (Electronic mail); B6210L (Computer communications); (Computer communications software); C7104 (Office automation); (Information services and centres) Copyright 1998, IEE

9/5/9 (Item 6 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2003 EBSCO Pub. All rts. reserv.

00525763 99IE02-023

For many ISPs, spam 's complexities create an intractable problem

Dillon, Michael

Internet World , February 1, 1999 , v5 n4 p27, 1 Page(s)

ISSN: 1081-3071 Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

ASK THE INFRA EXPERT column explains how criminal spammers use forged source addresses to help cover their tracks. Says that a fake credit card number is used to open accounts with national Internet service providers (ISPs) that offer service through modem pools that they rent from other providers. Adds that an ISP is then dialed up, and special software is used to send out tens of thousands of spam messages with forged e - mail addresses comprised of random letters for the user name, and a real domain name. Notes that as the spammer's account is terminated with one dial-up provider, the spammer simply moves on to the next dial-up provider and continues spamming. Says that most ISPs reject spam messages by bouncing them back to the sender. Adds that when the sender 's domain name was forged, some innocent victim not connected with the spammer must spend several days deleting tens of thousands of bounced messages. (JC)

Descriptors: Spamming; Problem-solving; Internet Service Providers; Internet Access; Crime

 $T^{-1}$ 

(Item 1 from file: 2) DIALOG(R) File 2:INSPEC (c) 2004 Institution of Electrical Engineers. All rts. reserv. INSPEC Abstract Number: C9811-0230-002 Title: Spam ! [junk e - mail ] Author(s): Cranor, L.F.; LaMacchia, B.A. Author Affiliation: AT&T Labs.-Res., Florham Park, NJ, USA Journal: Communications of the ACM vol.41, no.8 Publisher: ACM, Publication Date: Aug. 1998 Country of Publication: USA CODEN: CACMA2 ISSN: 0001-0782 SICI: 0001-0782(199808)41:8L.74:SJM;1-D Material Identity Number: C056-98009 U.S. Copyright Clearance Center Code: 0001-0782/98/0800\$5.00 Document Type: Journal Paper (JP) Language: English Treatment: General, Review (G) Abstract: Concern about the proliferation of unsolicited bulk commonly referred to as " spam ", has been steadily increasing. When received in small quantities, spam may annoy recipients, but rarely poses a significant problem. However, some recipients of large quantities of find themselves so overwhelmed with unwanted email that it is time-consuming or difficult for them to ferret out their desired correspondence. Furthermore, unlike most junk postal mail, junk email frequently contains explicit sexual language and attached photographs that many recipients find offensive. With the advent of HTML-enabled email clients, some bulk emailers now send lengthy HTML-formatted email, complete with images and links to Java applets that may execute automatically when the email is read using some clients. The paper discusses possible solutions to the spam problem and the major factors that contribute to it. (7 Refs) Subfile: C Descriptors: electronic mail; Internet; social aspects of automation Identifiers: unsolicited bulk email; spam; junk e - mail; HTML; Java applets; unwanted electronic mail; Internet Class Codes: C0230 (Economic, social and political aspects of computing) ; C7104 (Office automation); C7210 (Information services and centres) Copyright 1998, IEE

29/5/5 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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Delving deep into e - mail

KM World , June 1, 2000 , v9 n5 p1, 21, 2 Page(s)

ISSN: 1060-894X

Company Name: Tacit Knowledge Systems

URL: http://www.tacit.com

Product Name: KnowledgeMail 1.3

Languages: English

Document Type: Articles, News & Columns

Geographic Location: United States

Reports that KnowledgeMail 1.3 from Tacit Knowledge Systems can now be accessed from an intranet or portal. States that content can be viewed and acted on in context with other applications or directories. Says that under the control of each individual user, KnowledgeMail automatically creates private and public profiles of everyone in the enterprise and maintains them in real time. Adds that the system makes that information accessible across the enterprise thereby linking information seekers with knowledge holders on any given topic. Indicates that with the new software, distribution lists can be expanded so they can more effectively target the appropriate recipients instead of distributing **e - mail** to those who would have no interest. Says that by limiting the **number** of **recipients** by data fields in an LDAP **server**, the overall performance of the system can be increased. (sps)

Descriptors: Electronic Mail; Administration; Intranets; Networks

; Portals

Identifiers: KnowledgeMail 1.3; Tacit Knowledge Systems